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DATE: March 23, 2006

PTO IDENTIFIER: Application Number 10/616551-Conf #1968
Patent Number

Inventor: Mark L. NELSON et al.

MESSAGE TO: US Patent and Trademark Office

FAX NUMBER: (571) 273-8300

FROM: LAHIVE & COCKFIELD, LLP

Cynthia M. Sorgos

PHONE: (617) 227-7400

Attorney Dkt. #: PKZ-018DV

PAGES (Including Cover Sheet): 9

CONTENTS: Fee Transmittal (1 page, in duplicate)
PTO form SB/08 (14 references, 1 page)
Information Disclosure Statement (3 pages)
Transmittal (1 page)
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Certificate of Transmission (1 page)

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PTO/SB/17 (12-04v2)

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U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		Complete If Known	
FEE TRANSMITTAL For FY 2005		Application Number	10/616531-Conf. #1963
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Filing Date	July 9, 2003
TOTAL AMOUNT OF PAYMENT (\$ 180.00)		First Named Inventor	Mark L. NELSON
		Examiner Name	B. P. Badio
		Art Unit	1617
		Attorney Docket No.	PKZ-018DV

METHOD OF PAYMENT (check all that apply)					
<input type="checkbox"/> Check	<input type="checkbox"/> Credit Card	<input type="checkbox"/> Money Order	<input type="checkbox"/> None	<input type="checkbox"/> Other (please identify) _____	
<input checked="" type="checkbox"/> Deposit Account Deposit Account Number 12-0080			Deposit Account Name Lahive & Cockfield, LLP		
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FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fees Paid (\$)
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES**Fee Description**

Each claim over 20 (including Reissues)

Small Entity Fee (\$)	Fee (\$)
50	25
200	100
360	180

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)			

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(C) and 37 CFR 1.16(s)

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
	- 100 =	/50 (round up to a whole number) x		

4. OTHER FEE(S)

No-English Specification, \$130 fee (no small entity discount)					
Other (e.g., late filing surcharge), 1806 Submission of an Information Disclosure Statement				180.00	

SUBMITTED BY

Signature	<i>Cynthia M. Soroos</i>	Registration No. (Attorney/Agent)	53,623	Telephone	(617) 227-7400
Name (Print/Type)	Cynthia M. Soroos	Date	March 23, 2006		

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Dated: March 23, 2006

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Cynthia M. Soroos

(Cynthia M. Soroos)

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FEE TRANSMITTAL For FY 2005	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27	
TOTAL AMOUNT OF PAYMENT	(\$) 180.00
ATTORNEY DOCKET NO. PKZ-018DV	

METHOD OF PAYMENT (check all that apply)				
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FEE CALCULATION							
1. BASIC FILING, SEARCH, AND EXAMINATION FEES							
Application Type	FILING FEES			SEARCH FEES			
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fees Paid (\$)
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	
2. EXCESS CLAIM FEES							
Fee Description	Small Entity Fee (\$)	Fee (\$)					
Each claim over 20 (including Reissues)	50	25					
Each independent claim over 3 (including Reissues)	200	100					
Multiple dependent claims	360	180					
Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims			
				Fee (\$)	Fee Paid (\$)		
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)				
3. APPLICATION SIZE FEE							
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Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)			
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4. OTHER FEE(S)							
Non-English Specification, \$130 fee (no small entity discount)							
Other (e.g., late filing surcharge) 1806 Submission of an Information Disclosure Statement 180.00							
SUBMITTED BY							
Signature	<i>Cynthia M. Soriano</i>			Registration No. (Attorney/Agent)	53,623	Telephone (617) 227-7400	
Name (Print/Type)	Cynthia M. Soriano			Date	March 23, 2006		

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Cynthia M. Soriano

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Dated: March 23, 2006 Signature 
(Cynthia M. Soroco)

Docket No.: PKZ-018DV
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Mark L. Nelson *et al.*

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Application No.: 10/616531

Confirmation No.: 1963

Filed: July 9, 2003

Art Unit: 1617

For: **METHODS OF PREPARING SUBSTITUTED
TETRACYCLINES WITH TRANSITION
METAL-BASED CHEMISTRIES**

Examiner: B. P. Badio

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed after the mailing date of the Notice of Allowance, but on or before payment of the Issue Fee (37 CFR 1.97(d)). Applicants hereby petition that the Information Disclosure Statement be considered.

I hereby certify, pursuant to 37 CFR 1.97(e)(2), that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Application No.: 10/616531

Docket No.: PKZ-018DV

Copies of the references on the PTO/SB/08 are not provided.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

Applicants wish to bring to the Examiner's attention the following co-pending patent applications:

Serial No.	Filing Date
10/765,233	January 26, 2004
11/004559	December 3, 2004
10/982728	November 4, 2004
10/819,343	April 5, 2004
10/820,456	April 7, 2004
10/866,220	June 10, 2004
11/300917	December 15, 2005
10/786,710	February 24, 2004
10/652,712	August 28, 2003
11/305048	December 16, 2005

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Application No.: 10/616531

Docket No.: PKZ-018DV

Please charge our Deposit Account No. 12-0080 in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p). The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 12-0080, under Order No. PKZ-018DV.

Dated: March 23, 2006

Respectfully submitted,


Cynthia M. Soros
Registration No.: 53,623
LAHIVE & COCKFIELD, LLP
28 State Street
Boston, Massachusetts 02109
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(617) 742-4214 (Fax)
Attorney/Agent For Applicant

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Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	10/616531-Conf. #1963
				Filing Date	July 9, 2003
				First Named Inventor	Mark L. NELSON
				Art Unit	1617
				Examiner Name	B. P. Badio
Sheet	1	of	1	Attorney Docket Number	PKZ-018DV

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number/Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
A1*	2,990,331		06-27-1961	Neumann et al.	
A2*	2,980,584		04-18-1961	Hammer	
A3*	3,062,717		11-06-1962	Hammer	
A4*	3,165,531		01-12-1965	Blackwood et al.	
A5*	3,454,697		07-08-1969	Joyner et al.	
A6*	3,557,280		01-01-1971	Weber et al.	
A7*	3,674,859		07-04-1972	Beutel et al.	
A8*	3,957,980		05-18-1976	Noseworthy	
A9*	4,018,889		04-19-1977	Armstrong	
A10*	4,024,272		05-17-1977	Rogalski et al.	
A11*	4,126,680		11-11-1978	Armstrong	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	A12*	Kalanin. "Carbon-carbon bond formation in heterocycles using Ni- and Pd-catalyzed reactions." <i>J Synthetic Org. Chem.</i> , 1992, p 413.			
	A13*	Negeishi. "Palladium- or Nickel-catalyzed cross coupling. A new selective method for carbon-carbon bond formation." <i>Acc. Chem. Res.</i> 1982 15:340			
	A14*	Sawamura. "Catalytic asymmetric synthesis by means of secondary interaction between chiral ligands and substrates." <i>Chem. Rev.</i> 1992, 92,857.			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional) ²Ind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible

Examiner Signature	Date Considered
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Total Number of Pages in This Submission

Application Number	10/616531-Conf. #1963
Filing Date	July 9, 2003
First Named Inventor	Mark L. NELSON
Art Unit	1617
Examiner Name	B. P. Badio
Attorney Docket Number	PKZ-018DV

ENCLOSURES (Check all that apply)

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<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Other Enclosure(s) (please identify below):
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	Remarks	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	LAHIVE & COCKFIELD, LLP		
Signature			
Printed name	Cynthia M. Soroco		
Date	March 23, 2006	Reg. No.	53,623

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PTO/SB/97 (09-04)

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Application No. (if known) 10/616531

Attorney Docket No.: PKZ-018DV

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on March 23, 2006
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Cynthia M. Soroos

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53,623
Registration Number, if applicable

(617) 227-7400
Telephone Number

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